

10/525499

BT01 Rec'd PCT/PTC 23 FEB 2005

PATENT

24500-000015/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s): Valerie BOUSQUET, Stewart Edward HOOPER,
Jennifer Mary BARNES and Jonathan HEFFERNAN

Int'l Application No.: PCT/JP2003/010420

Application No.: **NEW APPLICATION**

Filed: February 23, 2005

For: MBE GROWTH OF A SEMICONDUCTOR LAYER
STRUCTURE

**INFORMATION DISCLOSURE STATEMENT
(SUBMISSION CONCURRENT WITH THE
FILING OF A NEW PATENT APPLICATION)**

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314
Mail Stop PCT

February 23, 2005

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☒ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ This application is a National Phase of a PCT application. All of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

New PCT National Phase Application
Docket No. 24500-000015/US

- ☐ Because the present application is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

III. CONCISE EXPLANATION OF THE RELEVANCE
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☒ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☒ **OTHER**

The following additional information is provided for the Examiner's consideration.

International Search Report, International Preliminary Examination Report and Written Opinion.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 08-0750.

10/525499

DT01 Rec'd PCT/PTC 23 FEB 2005

New PCT National Phase Application
Docket No. 24500-000015/US

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNES, DICKEY & PIERCE, P.L.C.

By:


Donald J. Daley, Reg. No. 34,313

DJD/bof

P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

Enclosures:



Form PTO-1449(s)



Cited Documents



International Search Report, International Preliminary
Examination Report and Written Opinion

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)			ATTY DOCKET NO. 24500-000015/US		1071525499 NEW APPLICATION	
			APPLICANT(S) Valerie BOUSQUET et al.		CONF. NO. Not Yet Assigned	
			FILING DATE February 23, 2005		GROUP Not Yet Assigned	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 5,602,418	02/11/1997	Hideaki IMAI et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	EP 1 061 564 A2	12/20/2000	EUROPE			X	
	EP 1 164 210 A2	12/19/2001	EUROPE			X	

OTHER DOCUMENTS	
(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	Shuji NAKAMURA et al., "Candela-class high-brightness InGa _N /AlGa _N double-heterostructure blue-light-emitting diodes", Applied Physics Letters, American Institute of Physics, New York, US, Vol. 64, No. 13, March 28, 1994, pages 1687-1689
	Shuji NAKAMURA et al., "Superbright Green InGa _N Single-Quantum-Well-Structure Light-Emitting Diodes", Japanese Journal of Applied Physics, Publication Office Japanese Journal of Applied Physics, Tokyo, Japan, Vol. 34, No. 10B, Part 2, October 15, 1995, pages L1332-L1335

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.